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> JAKEMY JM-OP15 13-in-1 Screen Opening Set Pry Tool Instruction Manual

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1. INTRODUCTION AND OVERVIEW

The JAKEMY JM-OP15 13-in-1 Screen Opening Set is designed for the safe and effective disassembly of various electronic devices. This comprehensive kit provides a range of tools necessary for opening mobile phones, tablets, game consoles, MP4 players, and other electronics, including those with seamless covers or adhesive components. The tools are crafted from high-quality, anti-static materials to protect sensitive electronics from electrostatic discharge and prevent scratching or damage during repair processes.

2. PRODUCT COMPONENTS

The JM-OP15 kit includes the following 13 pieces:

- 5 x Plastic Pry Pieces Openers
- 2 x Plastic Rod Openers
- 2 x Pry Openers (plastic crowbars)
- 1 x Roller Opener
- 1 x Double Head Metal Scraper Opener
- 2 x Plastic Crowbar Openers (listed as Pry Openers above, consolidating to 2 unique types)



Figure 2.1: Complete set of JAKEMY JM-OP15 13-in-1 Screen Opening Tools.

Plastic starting rod*2



Double head tough machine tool



Figure 2.2: Detailed view of the plastic starting rod and double head metal scraper, highlighting their dimensions.



Figure 2.3: Various plastic starting rods and the roller type boot disc, with dimensions for precise use.

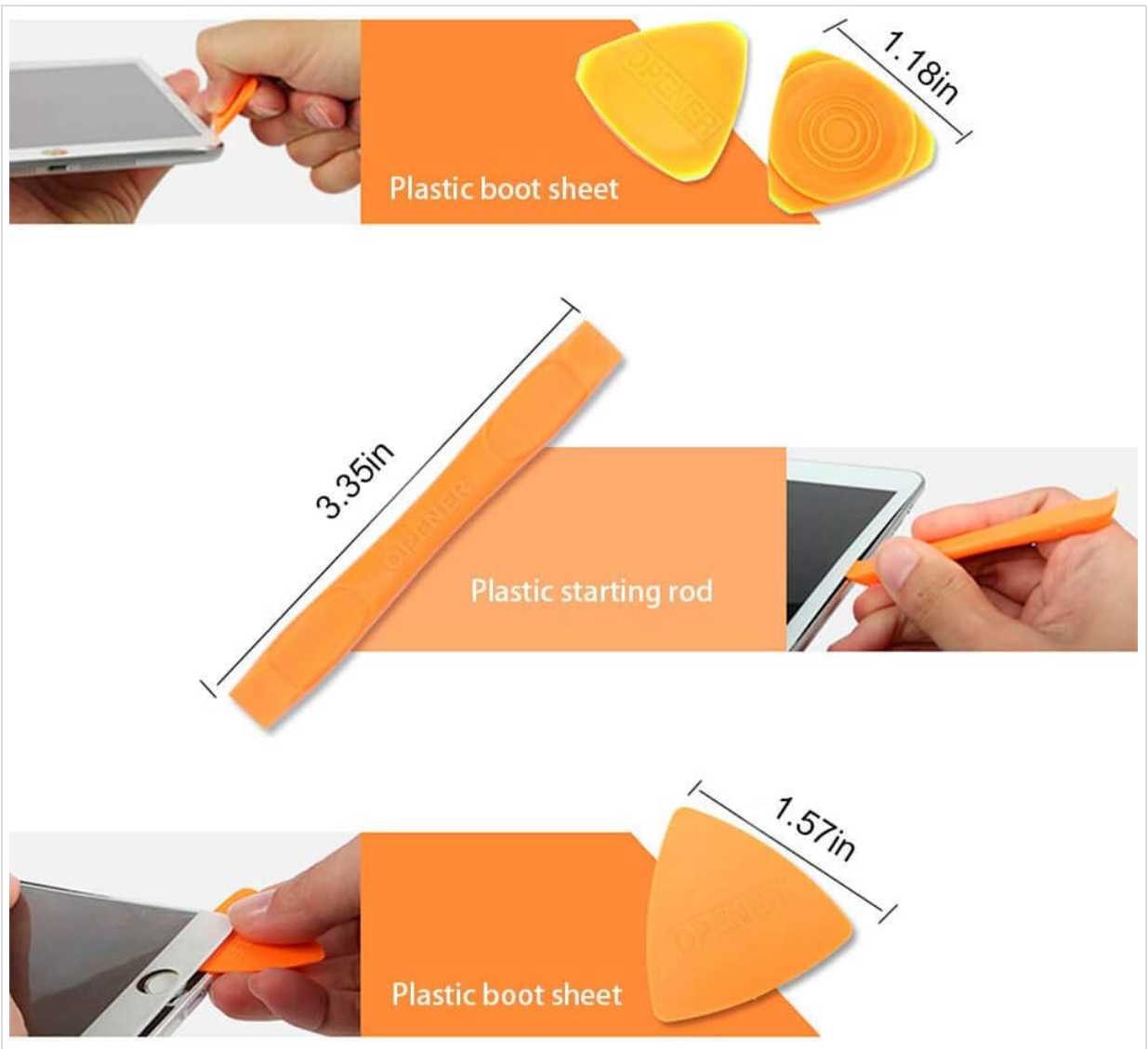


Figure 2.4: Plastic boot sheets and a plastic starting rod, illustrating their thin profiles for delicate prying.

Scope of application



Mobile phone repair



Tablet PC maintenance



Game console maintenance



MP4 maintenance

Figure 2.5: Overview of the diverse applications for the tool kit, from mobile phones to game consoles.



Figure 2.6: Example of the tools being used to carefully open a smartphone.

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JM-OP15



Figure 2.7: The packaging for the JAKEMY JM-OP15 tool kit.

3. SETUP

Before beginning any electronic device repair, ensure you are working in a clean, well-lit, and static-free environment. Gather all necessary tools from the JM-OP15 kit and any other specific tools required for your device. It is recommended to power off the device completely and disconnect it from any power sources before starting disassembly.

4. OPERATING INSTRUCTIONS

The JM-OP15 kit provides a variety of tools for different prying and opening needs. Always start with the least invasive tool possible to minimize potential damage.

4.1 Using Plastic Pry Tools (Spudgers and Picks)

- **Initial Separation:** For devices with tight seams or adhesive, use the ultra-thin plastic pry pieces or plastic rod openers to gently create a small gap. Their thin and angled design allows for easy insertion.
- **Expanding Gaps:** Once a small gap is created, use the wider plastic pry openers (crowbars) to carefully expand the opening. Work slowly around the device's perimeter, applying even pressure to release clips or adhesive.

- **Disconnecting Components:** The pointed ends of the plastic rod openers or spudgers are ideal for safely disconnecting ribbon cables, connectors, and other delicate internal components without shorting or damaging them.

4.2 Using Metal Scraper and Roller Opener

- **Adhesive Removal:** The double head metal scraper opener features a thin, durable blade suitable for removing stubborn adhesive residues or peeling off nameplates. Use with caution to avoid scratching surfaces.
- **Screen Separation (Roller Opener):** The roller opener is designed to glide along the edges of screens, helping to separate them from the device body, especially when adhesive is present. This tool helps distribute pressure evenly to prevent screen damage.

4.3 General Tips

- Always apply gentle, consistent pressure. Avoid excessive force, which can damage the device or tools.
- Refer to device-specific disassembly guides or videos for detailed instructions on your particular model.
- Keep track of all removed parts and screws, ideally using a magnetic mat or compartmentalized tray.

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Video 4.1: Demonstration of metal spudger pry tool use for electronic repair.

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Video 4.2: Overview of various opening tools and their application in electronic device disassembly.

5. MAINTENANCE

To ensure the longevity and effectiveness of your JM-OP15 tools:

- **Cleaning:** After each use, wipe down all tools with a clean, dry cloth to remove any residue or debris. For stubborn grime, a small amount of isopropyl alcohol can be used on plastic tools.
- **Storage:** Store the tools in a dry, clean place, preferably in their original packaging or a dedicated tool organizer, to prevent loss or damage.
- **Inspection:** Periodically inspect tools for any signs of wear, bending, or damage. Replace any tools that are compromised to maintain optimal performance and prevent damage to devices.

6. TROUBLESHOOTING

If you encounter difficulties while using the JM-OP15 tools:

- **Difficulty Opening:** If a device is particularly stubborn, ensure all screws are removed. Apply gentle heat (e.g., from a heat gun or hairdryer on a low setting) to soften adhesive, but be cautious not to overheat sensitive components.
- **Tool Slipping:** Ensure the tool is properly seated in the seam or gap. If a plastic tool is slipping, try a different angle or a slightly thinner tool to initiate the opening.
- **Scratches/Damage:** If you notice scratches, you may be applying too much force or using an inappropriate tool. Always use plastic tools for initial prying to avoid cosmetic damage. Metal tools should be used with extreme care and only when necessary.

7. SPECIFICATIONS

- **Model:** JM-OP15
- **Number of Items:** 13
- **Materials:** Stainless Steel, Anti-static plastic, Anti-static fiber
- **Item Weight:** 5.3 ounces (160g)
- **Product Dimensions:** 2.7"W x 3.3"H (8.5cm x 7cm x 1cm)
- **Operation Mode:** Manual

8. WARRANTY AND SUPPORT

All JAKEMY premium products, including the JM-OP15, come with a 1-year warranty. If you have any questions, concerns, or require support regarding your product, please contact JAKEMY customer service through the retailer where the product was purchased or visit the official JAKEMY website for contact information.